



DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – WINTER 2021

AH 445 PHARMACY AND PHARMACOLOGY – 3 (5-0-0) 60 HOURS

12 Weeks

INSTRUCTOR: Dr. Susan Klassen
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OFFICE Posted, as Faculty working from Offices or at Home during Winter 2021
HOURS: Semester.

WINTER 2021 DELIVERY:

Remote Delivery. This course is delivered remotely. There are no face-to-face or onsite requirements. Students must have a computer with a webcam and reliable internet connection. Technological support is available through helpdesk@gprc.ab.ca

Note: GPRC reserves the right to change the course delivery.

CALENDAR DESCRIPTION:

Basic pharmacological principles are taught and students learn to recognize different groups of drugs and their basic actions. In the pharmacy, the student will become familiar with common veterinary drugs and their indications, administration and side effects or toxic actions. Legal implications of dispensing drugs and risks associated with off label or improper use are discussed. Students learn to prepare and dispense veterinary preparations and educate clients about their use.

PREREQUISITE(S)/COREQUISITE:

- Must be registered in the GPRC Animal Health Technology Program
- Pre requisites: AH340, AH342, AH344 and AH348
- Co Requisite: AH442

REQUIRED TEXT/RESOURCE MATERIALS:

- *Applied Pharmacology for Veterinary Technicians*, Wannamaker & Massey, current edition

DELIVERY MODE:**Lecture**

MIXED USING D2L global software for Lecture purposes, The Brightspace learning management system, which is a cloud-based software used by GPRC for online and blended classroom learning.

TRANSFERABILITY:

Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at the Alberta Transfer Guide main page

<http://www.transferalberta.ca>.

**** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability**

EVALUATIONS:

GRADING CRITERIA:
GRADING CONVERSION CHART for ANIMAL HEALTH TECHNOLOGY
OVERALL GRADE POINT AVERAGE HAS TO BE 2.0 OR HIGHER TO BE SUCCESSFUL IN THE AHT PROGRAM.

Alpha Grade	4-point Equivalent	Percentage Guidelines		Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100		C+	2.3	67-69
A	4.0	85-89		C	2.0	63-66
A-	3.7	80-84		C-	1.7	60-62
B+	3.3	77-79		FAIL	1.3	55-59
B	3.0	73-76		FAIL	1.0	50-54
B-	2.7	70-72		WF	0.0	00-49

Mark Distribution

A. Quizzes & Assignments	31%
B. Midterm Exam	30%
C. Final Exam	39%
	100%

*A minimum of 60% must be obtained in order to successfully pass AH 445.

COURSE SCHEDULE:

A. Introduction to Pharmacology & Drugs

Upon successful completion of this unit, the student will be able to describe and discuss definitions relating to pharmacology, drug sources, drug actions and effects, drug stability, drug distribution, metabolism, and excretion, and dosage forms of drugs.

B. Drugs Commonly Used in Veterinary Medicine

Upon successful completion of this unit, the student will be able to define and discuss the various classes of drugs and the drugs within each class which are commonly used in veterinary medicine. This includes identification of individual drugs and their effects and side effects.

C. Drug Regulations & Pharmacy Management

Upon successful completion of this unit, the student will be able to describe and discuss veterinary drug regulations and management of the veterinary pharmacy.

EVALUATIONS:

Attendance will not be assigned a mark in this class, but if a student misses a class or a lab (including quizzes and exams), any assignments and/or quizzes and/or exams and/or handouts, whether scheduled or not, that occur or are distributed in the class or lab that was missed, will not be provided to the student or made up in any way. The student will be assigned a mark of zero for those assignments/exams/ etc. missed. If the student contacts the instructor PRIOR to missing a class/lab/exam/etc., and if the student has an acceptable excuse (the validity of the excuse is at the discretion of the instructor and will require documentation such as a note from a doctor), the student may be excused without penalty and may be given access to the missed material. Overall excessive absence, coming to class late, or leaving during class, may result in mark deductions at the instructor's discretion.

A supplemental final exam will not be available for this course.

STUDENT RESPONSIBILITIES:

Enrolment at GPRC assumes that the student will become a responsible citizen of the College. As such, each student will display a positive work ethic, take pride in and assist in the maintenance and preservation of Institute property, and assume responsibility for his/her education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting instructor expectations concerning attendance, assignments, deadlines, and appointments.

STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at <http://www.gprc.ab.ca/about/administration/policies/>

****Note:** all Academic and Administrative policies are available on the same page.